

MARYLAND

Science and Engineering Profile

	Maryland	U.S.	Rank		Maryland	U.S.	Rank
Doctoral scientists, 1993	17,765	430,332	6	Total R&D performance, 1993 (millions)	\$7,442	\$161,427	7
Doctoral engineers, 1993	2,832	81,293	9	Industry R&D, 1993 (millions)	\$2,076	\$117,622	16
S&E doctorates awarded, 1995	604	26,482	15	Academic R&D, 1994 (millions)	\$1,130	\$20,573	4
of which, in life sciences	28%	24%		of which, in life sciences	39%	55%	
in engineering	24%	23%		in engineering	23%	16%	
in social sciences	14%	15%		in physical sciences	16%	10%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	1,274	36,143	7	expenditures, 1993 (millions)	\$3,453	\$163,994	15
S&E graduate students, 1994				Number of SBIR awards, 1990-94	953	18,023	4
in doctorate-granting institutions	8,940	438,694	18	Patents issued to state residents, 1995	984	55,717	19
Population, 1995 (000s)	5,042	262,755	19	Gross state product, 1992 (billions)	\$116.2	\$5,994.1	16
Civilian labor force, 1995 (000s)	2,723	132,281	18	of which, agriculture	1%	2%	
Personal income per capita, 1995	\$25,927	\$22,788	6	manufacturing, mining, construction	15%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1995 (millions)	\$36,847	\$1,326,294	11	wholesale and retail trade	16%	16%	
R&D obligations, 1994 (millions)	\$6,653	\$65,654	2	finance, insurance, real estate	19%	18%	
				services	23%	20%	
				government	17%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Maryland by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	6,652,978	4,163,166	130,465	1,600,112	605,589	149,899	3,747	2
Department of Agriculture	114,075	101,482	0	3,010	8,975	437	171	2
Department of Commerce	277,022	267,217	0	4,567	5,032	50	156	1
Department of Defense	2,549,193	1,476,873	3,284	866,974	183,403	18,659	0	4
Department of Energy	79,783	51,890	0	12,891	14,242	760	0	15
Dept. of Health & Human Services	2,530,756	1,872,275	127,181	169,349	321,315	40,250	386	1
Department of the Interior	18,359	17,823	0	66	318	2	150	9
Department of Transportation	38,809	2,604	0	33,545	1,370	0	1,290	5
Environmental Protection Agency	8,617	0	0	6,276	1,669	0	672	14
Nat'l Aeronautics & Space Admin.	985,029	370,051	0	497,883	30,947	85,676	472	3
National Science Foundation	51,335	2,951	0	5,551	38,318	4,065	450	11
State rank	2	1	10	7	6	7	21	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.